



I



REPORT

of the

Medical Officer of Health

and the

Chief Public Health Inspector

1971

BOROUGH OF LEIGH



*With the Compliments
of the
Medical Officer of Health*

Public Health Department,
Town Hall,
LEIGH



BOROUGH OF LEIGH

REPORT

of the
MEDICAL OFFICER OF HEALTH

and the
CHIEF PUBLIC HEALTH INSPECTOR

for the year

1971

HEALTH COMMITTEE

His Worship the Mayor, Councillor Harry Davies, J.P.

Chairman:

Councillor F. TAYLOR

Deputy Chairman:

Councillor P. HULL, C.C.

Alderman C.H. Bratt, J.P.

" H.J. Davies

" H. Gough, J.P.

" E. Green, J.P., C.C.

" T. Hourigan, J.P., C.A., M.A.

" J. Stevenson

Councillor E. Ellison

" P. Fazaakerley

" F. Gibson, J.P.

" Mrs. R.S. Goodwin

" E. Moore

" G.H. Tonks

" Mrs. M. Wood



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S T A F F

Medical Officer of Health:

ELLIS TAYLOR, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health:

JOHN S. WILLMAN, M.B., B.Ch., B.A.O., D.P.H.

Chief Public Health Inspector:

HARRY CLUSKY (Resigned 31.7.1971)
WILLIAM HEWGILL LOCKER (Appointed 27.9.1971)

Deputy Chief Public Health Inspector:

ARTHUR L. HOPE

District Public Health Inspectors:

Clifford Pedder
Thomas Cooney
Stanley Graham Piggitt (Resigned 21.11.1971)

Pupil Public Health Inspector:

John Mather (Resigned 31. 1.1971)
Stephen Hilton Cleworth (Appointed 1. 7.1971)

Technical Assistant (Smoke Control):

Alan Brindle

Clerical Staff:

Chief Clerk: Mrs. G. O'Neil
Clerk/Typist: Mrs. E.W. Dutton (Resigned 5.10.1971)
" " Miss M. Catterall
" " Mrs. E.M. Warhurst (Appointed 1.11.1971)

Disinfectors/Mortuary Attendants:

G. List
E. Cathcart

Rodent Operative:

R. Bailey

T A B L E O F C O N T E N T S

INTRODUCTION

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SECTION "A"

STATISTICAL AND SOCIAL

CONDITIONS OF THE AREA

Public Health Department,
Town Hall,
L E I G H.

To the Chairman and Members of the Health and Cleansing Committee,

I have the honour to present for your information and consideration, the Annual Report on the health of the Borough of Leigh for the year 1971.

The Borough continued to enjoy a satisfactory health record. In spite of a balance of 202 excess of live births over deaths, the Registrar General estimated that the mid-year population had increased by 50. The live birth rate continued at a high level (19.8) and the loss of infant life was reduced. This improved the perinatal rate to 28 compared with a national figure of 22.

The prevalence of communicable diseases ran to type, with 103 cases of measles being notified compared with 664 last year. Other diseases occurred in insignificant numbers.

During the course of the year your Chief Public Health Inspector retired, and many tributes were paid to him at that time. Having served the Corporation for 37 years, his knowledge of the town and its areas at risk were known and understood in great depth. As a colleague of the past 17 years I am indebted to Mr. Clusky for his continued help and co-operation which made my responsibilities so much easier to carry. We all wish him well in his retirement to one of the more pleasing areas of the North West. A most sincere welcome is accorded to his successor, Mr. W.H. Locker.

May I take this opportunity of expressing thanks to you, Mr. Chairman, and all Members of the Health and Cleansing Committee for their continued interest in the department, and to the members of the staff and my colleagues in the Town Hall for their over-ready help and co-operation.

Yours faithfully,

E. TAYLOR

V I T A L S T A T I S T I C S

The following is a summary of the principal statistics for the year 1971:-

	<u>Leigh</u>	<u>England & Wales</u>
Population (Estimate mid 1971)	46,180	48,815,000
Number of deaths (corrected)	627	567,345
Death Rate (per 1,000 population) (corrected)	15.5	11.6
Number of Live Births registered	829	783,165
Number of Illegitimate Births	43	65,674
Percentage of Illegitimate Live Births	5	8
Live Birth Rate (per 1,000 population) (adjusted)	19.8	16.0
Number of Stillbirths	16	9,898
Still Birth Rate per 1,000 total (live and still) births	19	12
Number of Infant Deaths	14	13,726
Infant Mortality Rate per 1,000 live births	17	18
Infant Mortality Rate per 1,000 legitimate births	13	17
Infant Mortality Rate per 1,000 illegitimate births	93	24
Neo-Natal Mortality Rate (first four weeks) per 1,000 related live births	11	12
Early Neo-Natal Mortality Rate per 1,000 related live births	10	10
Peri-Natal Mortality Rate per 1,000 total births	28	22
Maternal Deaths (including abortion)	Nil	133
Maternal Mortality Rate (including abortion) per 1,000 total births	Nil	0.17
Number of Deaths from all forms of Tuberculosis	1	1,438
Death Rate per 1,000 population from all forms of Tuberculosis	0.02	0.029
Number of Deaths from Neoplasms - Lung Bronchus	21	30,746
Death Rate per 1,000 population from Neoplasms - Lung Bronchus	0.45	0.63

LOCAL CONDITIONS AND STATISTICS

Leigh is an industrial South-East Lancashire town. The highest and lowest ordnance datum being 146 feet and 53 feet respectively.

The employing industries are coal mining, cotton and artificial fibre weaving, electric cable manufacture, electrical products, rope making, sheet metal working, agriculture, general engineering, foam rubber products and garment making, with some farming on mossland on the southerly boundary of the Borough.

Area in acres		6,359
Population	(Census 1951)	48,728
Population	(Census 1961)	46,174
Estimated population (mid-year Estimate 1971)		46,180
Number of inhabited houses, end of 1971 according to Rate Books		16,624
Rateable Value		£ 1,545,889
Sum represented by Penny Rate		£ 14,503

TABLE SHOWING CLASSIFICATION OF CAUSES
OF DEATHS FOR THE YEAR 1971

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Enteritis and Other Diarrhoeal Diseases	-	1	1
Late Effects of Respiratory T.B.	1	-	1
Other Infective and Parasitic Diseases	-	1	1
Malignant Neoplasm - Buccal Cavity etc.	1	1	2
" " - Oesophagus	2	-	2
" " - Stomach	9	9	18
" " - Intestine	6	6	12
" " - Larynx	1	-	1
" " - Lung, Bronchus	17	4	21
" " - Breast	-	7	7
" " - Uterus	-	9	9
" " - Prostate	7	-	7
Leukaemia	2	2	4
Other Malignant Neoplasms	18	15	33
Benign and Unspecified Neoplasms	1	1	2
Diabetes Mellitus	2	6	8
Avitaminoses, etc.	-	1	1
Other Endocrine etc., Diseases	-	2	2
Anaemias	1	1	2
Other Diseases of Blood, etc.	-	1	1
Mental Disorders	-	1	1
Multiple Sclerosis	1	1	2
Other Diseases of Nervous System	3	-	3
Chronic Rheumatic Heart Disease	2	3	5
Hypertensive Disease	8	1	9
Ischaemic Heart Disease	89	69	158
Other Forms of Heart Disease	19	24	43
Cerebrovascular Disease	41	64	105
Other Diseases of Circulatory System	6	11	17
Pneumonia	25	19	44
Bronchitis and Emphysema	19	7	26
Asthma	-	1	1
Other Diseases of Respiratory System	10	5	15
Peptic Ulcer	3	1	4
Other Diseases of Digestive System	3	4	7
Nephritis and Nephrosis	2	5	7
Hyperplasia of Prostate	3	-	3
Other Diseases, Genito-Urinary System	1	1	2
Diseases of Musculo-Skeletal System	-	2	2
Congenital Anomalies	1	2	3
Birth Injury, Difficult Labour, etc.	-	2	2
Other Causes of Perinatal Mortality	2	3	5
Symptoms and Ill Defined Conditions	2	2	4
Motor Vehicle Accidents	5	1	6
All other Accidents	4	12	16
Suicide and Self-inflicted Injuries	2	-	2
	<u>319</u>	<u>308</u>	<u>627</u>

STATISTICS FOR 1970, 1971 AND THE PERIOD 1966 - 1970

	Per 1,000 Estimated Population			Mortality Rate	
	Live Birth Rate	Crude Death Rate	Death Rate from Pulmonary Tuberculosis	Maternal	Infants
				Rate per 1,000 Total Births	Rate per 1,000 Live Births
BOROUGH OF LEIGH					
Mean of 5 years (1966 - 1970)	18.0	13.4	0.06	Nil	21.5
Year 1970	18.4	14.0	0.02	Nil	22
Year 1971	18.0	13.6	0.02	Nil	17
Increase or decrease in 1971 on 5 years average (1966 - 1970)	Nil	+	-	Nil	-
Increase or decrease in 1971 on 1970	-	-	Nil	Nil	-

B I R T H R A T E

The total number of registered live births assignable to the Borough of Leigh for the year 1971 was 829 compared with 850 the previous year. The corresponding crude Birth Rate for the two years respectively is 18.0 and 18.4 per 1,000 estimated population.

The crude death rate is 13.6 per 1,000 of the estimated resident population, but when this is corrected and adjusted by making allowances for the age and sex distribution of the population it becomes comparable with the death rate of the country as a whole, or with the death rate of any other area. This standardised death rate, as it is then termed, is 15.5 per 1,000 estimated population for the Borough of Leigh

The following table gives the Birth and Death Rates per 1,000 estimated population for Leigh and England and Wales during the last 25 years.

Year	Birth Rates (Adjusted)		Death Rates (Adjusted)	
	Leigh	England & Wales	Leigh	England & Wales
1947	22.2	20.5	12.7	12.0
8	17.9	17.9	11.3	10.8
9	17.4	16.7	12.4	11.7
1950	16.5	15.8	11.8	11.6
1	14.7	15.5	12.7	12.5
2	13.9	15.3	11.7	11.3
3	15.1	15.5	10.2	11.4
4	14.9	15.2	11.8	11.3
5	14.4	15.0	14.5	11.7
6	15.0	15.7	15.3	11.7
7	15.4	16.1	15.3	11.5
8	16.1	16.4	14.0	11.7
9	15.9	16.5	16.4	11.6
1960	15.7	17.1	14.6	11.5
1	16.6	17.4	16.8	12.0
2	17.1	18.0	16.1	11.9
3	19.1	18.2	14.4	12.2
4	20.1	18.4	14.0	11.3
5	19.7	18.1	15.0	11.5
6	19.8	17.7	14.7	11.7
7	19.9	17.2	16.2	11.2
8	20.2	16.9	14.7	11.9
9	18.9	16.3	15.1	11.9
1970	20.2	16.0	16.0	11.7
1	19.8	16.0	15.5	11.6

S T I L L B I R T H R A T E

The total number of registered still births assignable to the Borough during the year was 16 compared with 20 the previous year, giving rates for the two years of 0.34 and 0.43 respectively per 1,000 estimated population. The still birth rate for England and Wales during the period was 0.20

BIRTH RATES AND DEATH RATES, ANALYSIS OF
MORTALITY AND CASE RATES FOR CERTAIN INFECTIOUS
DISEASES FOR THE YEAR 1971.

	Rates per 1,000 Homo Population	
	Loigh	England & Wales
BIRTHS:-		
Live Births	18.0	16.0
Still Births	0.34	0.20
DEATHS:-		
All Causes	13.6	11.6
Tuberculosis - All forms	0.02	0.029
" - Respiratory	Nil	0.019
" - Respiratory (late effects)	0.02	0.006
" - Other	Nil	0.004
Cancer - All forms	2.51	2.39
" - Lung & Bronchus	0.45	0.63
" - Other Cancer	2.06	1.76
Maternal Mortality	Nil	0.17 (b)
Infant Mortality	17 (b)	18 (b)
Neo-Natal Mortality	11 (b)	12 (b)
Perinatal Mortality	28 (a)	22 (a)
Early Neo-Natal Mortality	10 (b)	10 (b)
NOTIFICATIONS:-		
Typhoid Fever	Nil	0.003
Paratyphoid Fever	Nil	0.002
Scarlet Fever	0.63	0.256
Whooping Cough	0.06	0.344
Diphtheria	Nil	0.000
Smallpox	Nil	Nil
Measles	2.23	2.770
Acute Poliomyelitis - Paralytic	Nil	0.000
" " - Non-Paralytic	Nil	0.000
Acute Encephalitis - Infective	Nil	0.002
" " - Post Infectious	Nil	0.001
Dysentery	0.04	0.219
Food Poisoning	0.17	0.138
Tuberculosis - Respiratory	0.13	0.187
" - Meninges & C.N.S.	Nil	0.003
" - Other	Nil	0.050
Anthrax	Nil	0.000
Infective Jaundice	0.06	0.289
Acute Meningitis	0.02	0.038
Tetanus	Nil	0.001
Leptospirosis	Nil	0.000
Ophthalmia Neonatorum	Nil	0.009
Plague	Nil	Nil
Cholera	Nil	0.000
Typhus Fever	Nil	Nil
Relapsing Fever	Nil	0.000
Yellow Fever	Nil	Nil

(a) Per 1,000 total live and still births

(b) Per 1,000 live births

INCIDENCE AND MORTALITY OF TUBERCULOSIS 1971

AGE PERIODS	Cases Notified				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
Under 1	-	-	-	-	-	-	-	-
1 - 4 years	-	1	-	-	-	-	-	-
5 - 9 "	-	1	-	-	-	-	-	-
10 - 14 "	-	-	-	-	-	-	-	-
15 - 24 "	-	-	-	-	-	-	-	-
25 - 34 "	-	-	-	-	-	-	-	-
35 - 44 "	-	-	-	-	-	-	-	-
45 - 54 "	3	-	-	-	-	-	-	-
55 - 64 "	-	-	-	-	-	-	-	-
65 and upwards	-	1	-	-	1	-	-	-
TOTALS	3	3	-	-	1	-	-	-
	6		-		1		-	

INCIDENCE AND MORTALITY OF TUBERCULOSIS

1954 - 1971

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Notified Cases:-																		
(a) Pulmonary	18	19	24	24	28	20	15	22	25	8	11	17	22	9	18	16	10	6
(b) Non-Pulmonary	5	1	3	3	3	2	1	1	2	2	-	2	-	2	-	2	-	-
Deaths:-																		
(a) Pulmonary	11	5	5	2	7	6	2	1	3	1	3	1	2	4	3	4	1	1
(b) Non-Pulmonary	-	-	-	-	-	-	-	1	-	1	-	-	1	-	1	-	-	-

SUMMARY OF THE INCIDENCE OF THE PRINCIPAL NOTIFIABLE DISEASES
OTHER THAN TUBERCULOSIS, 1961 - 1971

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Scarlet Fever	8	6	5	8	21	83	14	22	21	26	29
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Measles	130	21	564	521	154	609	64	370	231	664	103
Whooping Cough	6	3	19	-	-	10	26	12	7	9	3
Meningococcal Infection	-	-	-	-	-	-	-	-	-	-	1
Dysentery	9	4	-	11	-	1	-	7	2	14	2
Acute Poliomyelitis	1	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	-	-	-	-	-	4	8
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	1	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	-	-	-	-	10	23	34	4
T O T A L S	154	34	588	541	175	703	104	421	284	751	150

INCIDENCE OF NOTIFIABLE DISEASES (other than Tuberculosis) 1971

		AGE PERIODS																									
Under 1		1-		2-		3-		4-		5-		10-		15-		20-		35-		45-		65-		Age Unknown		Total	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
8	4	11	7	6	8	10	8	10	12	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	47
-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
-	-	-	-	2	-	1	1	4	3	9	8	1	-	-	-	-	-	-	-	-	-	-	-	-	17	12	
1	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	-	2	2	
1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2	1	2	-	-	-	-	-	-	7	1	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
10	4	11	9	9	8	11	11	15	15	22	17	1	-	-	-	4	1	2	-	-	-	-	-	-	85	65	

SECTION "B"

GENERAL PROVISIONS

OF THE

HEALTH SERVICES

IN THE

BOROUGH

GENERAL PROVISIONS OF THE HEALTH SERVICES
IN THE BOROUGH

AMBULANCE SERVICE

Request for Ambulance Service - Telephone 061-794 4343

CARE OF CHILDREN - CHILDREN ACT, 1948

Children's Committee, Lancashire County Council, Area No. 11

Area Children's Office,
Williams & Glyn's Bank Chambers,
Market Street,
Leigh. Tel: Leigh 72206

CLINICS

1. ANTE-NATAL:

College Street Clinic	Wednesday	1.30 p.m. - 3.00 p.m.
	Thursday	1.30 p.m. - 3.00 p.m.

2. RELAXATION CLASS:

College Street Clinic	Friday	1.30 p.m. - 3.00 p.m.
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3. FAMILY PLANNING:

College Street Clinic	Monday	1.30 p.m. - 2.30 p.m.
	Tuesday	7.00 p.m. - 8.00 p.m.

4. IMMUNISATION:

(i) At the five County Clinics in the Leigh area
by arrangement as required.

(ii) The general practitioner service.

5. POLIOMYELITIS VACCINATION:

Children of pre-school age - each of the Child Welfare Clinics
by arrangement.

6. CHILD WELFARE:

(i) College Street Clinic	Tuesday	2.00 p.m. - 4.00 p.m.
(ii) Beech Walk Clinic	Thursday	2.00 p.m. - 4.00 p.m.
(iii) Ingham Street Clinic	Wednesday	2.00 p.m. - 4.00 p.m.
(iv) Wigan Road Methodist Chapel	Monday	2.00 p.m. - 4.00 p.m.
(v) Higher Fold Clinic	Alternate	
	Wednesdays	2.00 p.m. - 4.00 p.m.

7. MINOR AILMENTS OF SCHOOL CHILDREN:

College Street Clinic	Monday	10.00 a.m. - 12 noon
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8. DENTAL:

College Street Clinic	By appointment
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C L I N I C S (Continued)

9. OPTHALMIC:

College Street Clinic, Leigh By appointment

10. ORTHOPAEDIC:

Elliott Street Clinic, Tyldesley By appointment

11. SPEECH THERAPY:

College Street Clinic, Leigh By appointment

12. CHIROPODY:

College Street Clinic, Leigh By appointment

13. CERVICAL SMEARS:

College Street Clinic, Leigh By appointment

14. DAY NURSERIES:

Stone House, Etherstone Street, Leigh
Cavendish Street, Leigh

15. TUBERCULOSIS:

Chest Clinic, Leigh Infirmary, Leigh

16. VENEREAL DISEASES:

(i) CIVIC CENTRE, BOLTON

Males and Females:

Monday, Wednesday & Friday	9.00 a.m. - 12 noon : 4.00 p.m. - 6.30 p.m.
Tuesday and Thursday	9.00 a.m. - 12 noon
Saturday	9.00 a.m. - 10.30 a.m.

(ii) ROYAL ALBERT EDWARD INFIRMARY, WIGAN

Males and Females:

Monday and Tuesday	9.00 a.m. - 4.30 p.m.
Wednesday	9.00 a.m. - 12 noon 2.30 p.m. - 6.00 p.m. (Doctor in attendance)
Thursday	9.00 a.m. - 12.30 p.m.
Friday	9.00 a.m. - 12 noon 2.30 p.m. - 6.30 p.m. (Doctor in attendance)
Saturday	9.00 a.m. - 11.00 a.m.

C O N V A L E S C E N C E

Arrangements made by the Lancashire County Council through the Divisional Medical Officer.

C O N V A L E S C E N T T R E A T M E N T

Arrangements made by the Regional Hospital Board.

H E A L T H V I S I T I N G S E R V I C E

Health Visitor/School Nurses are employed in the area by the Lancashire County Council.

HOME HELP SERVICE

Provided by the Lancashire County Council.

HOME NURSING SERVICE

District Nurses are provided in the area by the Lancashire County Council.

HOSPITALS

- | | |
|-----------------------|---|
| 1. GENERAL | Leigh Infirmary.
Astley Hospital, Astley.
Atherleigh Hospital. |
| 2. INFECTIOUS DISEASE | Monsall Hospital, Manchester. |
| 3. MATERNITY | Billinge Hospital, Bilinge, Nr. Wigan.
Bolton District General Hospital. |

LABORATORY FACILITIES

Laboratories at Leigh, Wigan and Bolton Infirmaries and the Regional Laboratories of the Public Health Laboratory Service at Withington Hospital, Manchester and at Preston.

MATERNITY HOMES

The Firs, Leigh.

MIDWIFERY SERVICE

Domiciliary midwives employed in the area by the Lancashire County Council.

MORAL WELFARE WORK

Local Worker:-	Mrs. B. Simmons, 27 Blackfriars Road, SALFORD, 3. Tel: 061-832 5253
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NURSING HOMES

None in the district.

UNMARRIED MOTHERS AND ILLEGITIMATE CHILDREN

Provision for their care is made by the Lancashire County Council in conjunction with voluntary organisation.

WELFARE SERVICES

Arrangements made by the Lancashire County Council.

Residential accommodation at Atherleigh Grange, Hourigan House and Lyndhurst, Leigh etc.

X - RAY FACILITIES

At Leigh, Bolton and Wigan Infirmaries. Facilities for special chest cases at Chest Clinic, Leigh Infirmary.

SECTION "C"

PREVENTION OF AND CONTROL

OVER INFECTIOUS AND

OTHER DISEASES

PREVENTION OF AND CONTROL OVER INFECTIOUS
AND OTHER DISEASES.

DIPHTHERIA

No cases were notified. The need to continue the immunisation campaign against the disease, however, remains the most necessary pre-requisite for continued freedom.

DYSENTERY

89 cases were notified, of which 2 were confirmed. 326 faecal specimens were submitted for examination, 47 of which were confirmed as infected.

ENCEPHALITIS

No cases were notified.

FOOD POISONING

119 cases were notified, of which 8 were confirmed.

INFECTIVE JAUNDICE

4 cases were notified.

MEASLES

103 cases were notified. All proved to be fairly mild and complications were minimal.

MENINGOCOCCAL INFECTION

1 case was notified.

PARATYPHOID FEVER

No cases were notified.

POLIOMYELITIS

No cases were notified.

SCARLET FEVER

29 cases were notified.

SMALLPOX (VARIOLA)

No cases were notified.

TUBERCULOSIS

During the year 6 cases of pulmonary and none of non-pulmonary infection were notified, compared with 10 and none respectively in the previous year.

TYPHOID FEVER

No cases were notified.

WHOOPING COUGH

3 cases were notified.

ANTHRAX

No cases were notified.

SECTION "D"

REPORT BY THE
CHIEF PUBLIC HEALTH INSPECTOR
OF THE
SANITARY CIRCUMSTANCES
OF THE AREA

Public Health Department,
Town Hall,
LEIGH.

To the Chairman and Members of the Health and Cleansing Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the privilege to present the Annual Report on the work of the Public Health Department for your information.

At the outset it must be stated that I have been responsible for a very small amount of the work, the majority being under the control of Mr. Clusky, who retired on the 31st July, and Mr. Hope, who ran the Department for a period before I took up the appointment. Due to the efforts of all the staff it is doubtful if the public we serve were aware of the gaps which are inevitable at times of change.

The report is factual and based on the information collated from the records. Comment is minimal.

Coming to Leigh from another Authority has given me the opportunity to take a new look at the full range of environmental circumstances; the first time this has happened for many many years. With re-organisation in Local Government now certain, it looks unlikely that there will ever again be such a chance in the history of the Borough's Public Health Department.

To me, it appears, there has been considerable progress with Clean Air and there is an opportunity for still further steps before re-organisation. In the field of Housing, that is clearance of unfits and improvement of houses with a life yet to come, there is a deal to be done. Many houses are ripe for clearance and many more are in need of improvement. Leigh's first general improvement area is a stride forward and the quality of life of the participants must have been enhanced.

Food hygiene and handling is, with few exceptions, of a satisfactory standard and the local killed meat is of superior quality. Buok Street abattoir has structural limitations but conditions compare favourably with those found in private abattoirs of a similar age elsewhere.

A problem, unique in magnitude to Leigh, is that of nuisance from the commercial breeding of maggots. To find, effect and if need be enforce a remedy will be neither simple, cheap or speedy. Certain initial steps with the problem have been taken, but the need for a great deal of research and enterprise must be recognised.

May I take this opportunity to express my appreciation of the encouragement I have received from the Chairman and Members of the Committee in the short spell I have been in Leigh.

The staff of the Health Department is extremely capable and their ready co-operation with me has made it possible for a proper continuity of service to the public. I am appreciative of their efforts, without which I would be quite unable to serve the Committee.

An unusual burden fell upon Mr. Hope, and it is with some personal pleasure that I record my thanks to him.

It would be remiss of me not to record the assistance and support I have had from the Medical Officer of Health and Officers in the other Departments of the Town Hall.

Yours faithfully,

W. H. LOCKER,

Chief Public Health Inspector.

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GENERAL SANITARY ADMINISTRATION

COMPLAINTS AND ENQUIRIES

1,339 complaints and 1,362 enquiries were received in the office. These are classified in the following tables:

COMPLAINTS

Defective Drains	36
" Closets	42
" Windowframes	11
" Doors	9
" Eavesgutters	8
" House Roofs	1
" Floors	2
" Wall and ceiling plaster	6
" Fireplaces	3
" Chimneys	4
Dampness due to various causes	32
Water Supply	11
Noise	2
Overcrowding	6
Vermineous Houses	21
Rain Penetration	3
Rats and Mice	944
Miscellaneous	198
TOTAL	<u>1,339</u>

CLASSIFICATION OF ENQUIRIES MADE IN THE OFFICES OF THE DEPARTMENT

	<u>1969</u>	<u>1970</u>	<u>1971</u>
Certification of Vaccination Certificates	246	300	340
Enquiries regarding complaints previously made	88	70	76
" " Clearance Programme	440	201	271
" " blocked drains	39	50	52
" " Vermin	67	54	39
" " Food Hygiene Regulations	-	3	3
" " Overcrowding	1	3	5
" " Licences	5	7	5
" " Clean Air Act	137	110	84
" " Offices, Sheds & Railway Premises Act	3	2	5
Water Supply	34	28	16
Miscellaneous	498	416	466
TOTAL	<u>1,558</u>	<u>1,244</u>	<u>1,362</u>

SUMMARY OF VISITS BY THE PUBLIC HEALTH INSPECTORS

	Inspection	Re-inspections	Total	Defects found	Defects remedied
DWELLINGHOUSES:-					
Public Health Act	450	542	992	460	343
Housing Acts	768	131	899	1	1
Overcrowding	3	3	6	-	-
Improvement Grants	64	-	64	-	-
Houses - Vermineous	23	8	31	2	1
" - Non-Vermineous	8	11	19	-	-
GENERAL SANITATION:-					
Tents, Vans & Sheds	8	-	8	-	-
Places of Entertainment	1	-	1	-	-
Streets, Passages, Footpaths	11	3	14	3	-
Schools	3	1	4	-	-
Infectious Diseases	187	68	255	-	-
Markets	8	-	8	-	-
Promises - Animals kept	-	-	-	-	-
Prevention of Damage by Pests Act	55	13	68	15	1
Public Conveniences	-	-	-	-	-
Farms	15	4	19	-	-
Tips	-	-	-	-	-
Drain Testing - Buildings	18	2	20	4	3
Pet Animals Act	-	-	-	-	-
Clean Air Act	2,635	1	2,636	-	-
Animal Boarding Establishments	1	-	1	-	-
Hairdressers' Byelaws	22	4	26	10	10
Offices, Shops & Railway Premises Act	178	128	306	103	159
Noise Abatement Act	3	1	4	-	-
Shops Act	2	2	4	-	-
Miscellaneous	424	69	493	16	15
FACTORIES ACT:-					
Mechanical Power	94	-	94	-	-
Non-Mechanical Power	37	-	37	-	-
FOOD PREMISES:-					
Bakehouses	31	5	36	16	7
Canteens	41	17	58	23	27
Cafes and Restaurants	63	20	83	51	31
Dairies and Milkshops	1	-	1	-	-
Grocers Shops	123	38	161	70	60
Butchers Shops	65	20	85	38	31
Slaughterhouse	354	-	354	-	-
Greengrocers	20	6	26	6	9
Fish Friers	37	19	56	43	27
Wet Fish Shops	4	-	4	1	1
Confectionery Shops	29	2	31	5	4
Feed Warehouses	12	5	17	8	15
Licensed Premises	83	95	178	104	78
Hawkers	4	-	4	-	-
Ice Cream Shops and Vehicles	44	6	50	7	3
Miscellaneous	59	1	60	-	3
TOTALS	5,988	1,225	7,213	986	829

INFECTIOUS DISEASES - INVESTIGATION AND DISINFECTION

187 visits of investigation and 68 re-visits were paid to premises where infectious diseases had occurred.

DISINFESTATION

31 visits were made by the Public Health Inspectors in the course of investigation of verminous premises.

A total of 108 premises were treated by the Disinfestation Staff as follows:-

Houses	80
Business Premises	28

The Department provides a service which is available to the public and industrial undertakings both for treatment and advice on any infestation problem. For this work £233.77 was re-charged during the year.

TESTING OF DRAINAGE SYSTEMS

20 visits were paid for the purpose of testing and inspecting existing drainage systems during the year.

Testing of new drainage is carried out by the Borough Surveyor's Department.

CLOSET ACCOMMODATION

Number of fresh water closets	19,035
Number of pail closets	11
Privy Middens	3

The pail closets and privy middens are situated in the semi-rural area of the Borough where it is impracticable to provide water closets.

SEWAGE DISPOSAL

There have been no significant changes in the method of treatment employed at the Sewage Works during 1971, but the Leigh and Atherton Joint Sewerage Board are hoping to provide improved treatment of stormwater during 1972 and a further improvement in effluent quality during 1973.

CANAL BOATS

There were no new registrations of Canal Boats during the year, nor were any inspected. Of recent years few, if any, boats discharge or pick up cargo in the Borough.

OFFENSIVE TRADES

There are no registered Offensive Trades within the Borough.

Leigh is as famous in the world of maggot breeding as it is for its match fishermen. At the height of the season production is thought to exceed 3 tons of maggots per week. These are bred on fish and poultry offal in extremely primitive conditions at at least 9 establishments in the district, the majority of which are concentrated in the area of Bedford Moss.

The premises are a collection of wooden and nissen huts which have doomed planning consent. Most are without water supply, electricity and drainage.

Public complaint of smell nuisance, particularly in certain climatic conditions, is extensive and considerable. Much of the complaint comes from the residents of Golborne Urban District.

OFFENSIVE TRADES (Continued)

There are steps which can be taken to minimise nuisance at certain parts of the process. All occupiers of the establishments were made well aware of those, which is sound practical hygiene. I am engaged in a considerable amount of research and investigation into the main source, that of offensive gas produced by the maggots' metabolism. Information is not easily gathered, nor is the remedy a cheap exercise. Co-operation from various sources has been encouraging.

The findings of the Working Party of the Department of the Environment on Industrial and Other Odours will no doubt be of great value, but this district needs a remedy now. Action under the nuisance sections of the Public Health Acts was unlikely to be wholly successful, but now that the answers to the smell problem is known, prospects are enhanced.

The possibility of an approach to the Minister for an Order to extend the definition in the Public Health Act 1936, Section 107, with byelaws to follow is under active consideration.

Encouragement is forthcoming in that a maggot breeder and angler of international reputation is considering the construction of an entirely new permanent structure, together with gas extraction treatment plant. It is hoped that the same degree of success in his venture is forthcoming.

COMMON LODGING HOUSES

There are no common lodging houses within the Borough.

OVERCROWDING

During the year 3 cases of overcrowding were investigated and one was confirmed.

PET ANIMALS ACT, 1951

Four licences to keep Pet Shops have been issued during the year.

ANIMAL BOARDING ESTABLISHMENTS ACT, 1963

Two licences authorising the keeping of a Boarding Establishment for animals were issued during the year.

PUBLIC BATHS

The Public Baths consists of 2 plunges and 12 slipper baths. Facilities are available for Turkish Baths.

Ninety samples of swimming bath water were submitted to the Public Health Laboratory for examination, all of which were reported upon satisfactorily. When samples are found to be unsatisfactory the attention of the Baths Manager is immediately drawn to the position and remedial action taken, after which further samples are submitted.

TENTS, VANS AND SHEDS

There is one licensed caravan site in the Borough containing one caravan. 8 visits were paid to itinerant caravans which were parked for varying periods before moving.

RIDING ESTABLISHMENTS ACT, 1964

This Act, which came into operation on the 1st April, 1965, prohibits the keeping of a riding establishment except under the authority of a licensee. No licences were issued during the year.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

No registrations have been made. There are no premises manufacturing rag flock in the Borough.

SCRAP METAL DEALERS' ACT, 1964

This Act provides for the registration and control of scrap metal dealers and came into operation on the 1st April, 1965, being renewable every third year. Every local authority is required to maintain a register of persons carrying on business in their area as scrap metal dealers. During the year 1 firm was registered, together with 11 re-registrations.

The total number of registrations at the end of the year was 7 Dealers and 8 Itinerant Collectors. These latter are exempt from the requirements of Section 2 of the Act regarding the keeping of record books. Close co-operation is maintained with the Police regarding the registrations.

MORTUARY

The Public Mortuary is controlled and staffed by the Department. During the year 193 bodies were received, of these 92 were from adjoining districts.

Reason for Admission	1967	1968	1969	1970	1971
Accidents	3	3	-	2	-
Suicide	2	1	5	4	2
Natural Causes	47	54	82	94	95
Misadventure	2	1	-	-	1
Open Verdict	2	-	3	1	-
Industrial Causes	-	-	4	2	3
Out of District	34	32	47	85	92

REFUSE COLLECTION

This service is under the control of the Director of Public Cleansing who has supplied the following information:-

Number of movable ashbins	19,900	(approx.)
Number of ashbins emptied	995,000	(approx.)
Refuse delivered to tip	20,900 tons	(approx.)

NOISE ABATEMENT ACT, 1960

4 complaints under this heading were received and investigated this year as against 2 last year.

(1) Noise from Extractor Fan at a local mill.	Management gave an undertaking not to use offending fan after 10 p.m.
(2) Noise from Extractor Fan at Market Hall.	Matter for experimentation by qualified engineers.
(3) Noise from Printing Press	Noise level readings did not substantiate complaint.
(4) Noise from local mill	Noise level readings did not substantiate complaint.

NOISE ABATEMENT ACT, 1960 (Continued)

It is apparent from discussion with informed members of the public that they are disturbed by noise which is below the levels which are actionable, and more commonly by what may be broadly defined 'neighbourhood noises'.

Certain projections on the possibility of controlling noise on an area basis has much to commend it. There is no doubt in my mind that the quality of life is enhanced where background noise is lower.

The Inspectorate on several occasions took informal action in respect of the pneumatic drills of the statutory undertakers being used without mufflers. In each case the apparatus was available but not used.

HAIRDRESSERS' AND BARBERS' ESTABLISHMENTS

Byelaws made under Section 77 of the Public Health Act, 1961, with regard to hairdressers' and barbers' establishments came into force in the Borough on the 1st October, 1962, and 26 visits were made to such establishments during the year.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

This Act, the main provisions of which came into force on the 1st August, 1964, makes provision for securing the health, safety and welfare of persons employed to work in offices, shops and certain railway premises.

During the year the number of premises on the register has increased to 545 as against 522 for the year ending 1970. There were 28 new registrations of premises and 5 deletions for various reasons, such as transfers and closures.

The following table gives the Registrations and General Inspections during the year:-

Class of Premises (1)	Number of premises newly registered during the year (2)	Total number of registered premises at end of year (3)	No. of registered premises receiving one or more general inspections during the year (4)
Offices	12	164	49
Retail Shops	14	316	96
Wholesale Sheps, Warehouses	2	28	5
Catering Establishments open to the public, Canteens	-	36	28
Fuel Storage Depets	-	1	-
T O T A L S	28	545	178

Again it is noticeable how few now registrations are being made. It is not unusual when making inspections of new businesses to find a complete lack of knowledge of this legislation.

Of the 178 premises receiving a General Inspection during the year, the table below shows the contraventions discovered, to which the occupiers' attention was drawn, together with the number remedied:-

Section	Requirement	No. of Infringements found	No. of Infringements remedied.
4	Cleanliness	30	48
6	Temperature	7	7
7	Ventilation	3	4
8	Lighting	6	8
9	Sanitary Conveniences	10	11
10	Washing Facilities	8	16
15	Eating Facilities	-	2
16	Floors, Passages and Stairs	14	28
20	Health and Safety	1	-
24	First Aid Provisions	11	13
50	Abstract of the Act	8	10
	T O T A L S	98	147

Cleanliness, Sanitary Conveniences, Washing Facilities and the condition of Floors, Passages and Stairs accounted for more than half of the total contraventions, the remainder being of a mere minor character. Lighting standards are generally met.

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963 (Continued)

Plans submitted for approval continue to be scrutinised and any points relative to the Act are raised with the Architects or the firm in question at the drawing-board stage. This has proved a most valuable method, eliminating possible disturbance of the building fabric at a later date, saves times, and creates a much better liaison between ourselves and the business concerned.

No applications for exemption under Section 46 of the Act were received during the year.

Accidents notified on OSR.2 totalled 5, none of which was of a serious nature. Each report was investigated, none being found to be due to the failure of the employer to ensure safety precautions.

The table below shows the causation and classification of the reported accidents:-

Cause	Code No.	Offices	Retail Shops	Wholesale Shops or Warehouses	Catering Estabs.	Fuel Storage Depots
Falls on the same level	54	-	1	-	-	-
Stepping on or striking against object or person	61	-	1	-	-	-
Handling goods	62	-	-	-	1	-
Struck by falling object	63	-	-	1	-	-
Not otherwise specified	64	-	1	-	-	-

The following premises were registered at the end of the year:-

Class of Premises	No.	No. of persons employed
Offices	164	1,257
Retail Shops	316	1,271
Wholesale Shops/Warehouses	28	234
Catering Establishments and Canteens	36	286
Fuel Storage Depots	1	1
TOTALS	545	3,049

W A T E R S U P P L Y

The Makerfield Water Board is the statutory Water Undertaking for the Borough.

The supply is taken in bulk from the Rivington Aqueduct of the Liverpool Corporation, and the Lightshaw Works of the Makerfield Water Board.

The character of the water from the Rivington Aqueduct is upland surface, whilst that from the Lightshaw Works is wholly of deep well origin.

Details of treatment of the various waters by the Board are as follows:-

Water derived from Liverpool Aqueduct:	Chlorination.
Water supplied from Lightshaw Treatment Plant:	Aeration, lime softening, filtration, pH correction, superchlorination and dechlorination.

There has been no significant change in the character of the water supplied during the year.

Samples of Town's Mains water are submitted to the Public Health Laboratory for bacteriological examination each week. During the year 96 samples were examined, of these 2 showed some slight contamination, none being of a serious nature. A subsequent flushing of the mains in the vicinity of the point where the unsatisfactory sample was taken proved sufficient, in each case, to rectify the position.

Four samples were submitted for chemical analysis, with the following results (expressed in parts per million):-

	<u>No. 1</u>	<u>No. 2</u>	<u>No. 3</u>	<u>No. 4</u>
Oxygen absorbed from permanganate in 15 mins.	0.05	0.05	0.05	0.05
Oxygen absorbed from permanganate in 3 hrs.	0.10	0.10	0.25	0.50
Ammonia	0.01	0.01	0.01	0.01
Albuminoid Ammonia	0.10	0.06	0.06	0.07
Nitrogen as Nitrates	2.3	2.8	0.8	0.8
Nitrogen as Nitrites	Nil	Nil	Nil	Nil
Combined Chlorine	30	28	18	14
Lead	Nil	0.02	0.02	Nil
Zinc	Nil	Nil	Nil	Nil
Copper	Nil	Nil	Nil	Nil
Total Iron	0.10	0.15	0.15	0.2
pH. value	7.8	7.9	8.6	8.3
Total solids in solution	305	305	110	105
Free Chlorine	0.04	0.02	0.02	0.06
Carbonate Hardness (as Ca CO ₃)	140	138	22	32
Calcium Hardness (as Ca CO ₃)	100	100	44	44
Total Hardness (as Ca CO ₃)	194	194	56	60
Apparent Colour, Hazen Units	-	-	-	15

Four samples were submitted for estimation of hardness with the following results:-

<u>Sample</u>	<u>Total Hardness</u> (as Ca CO ₃)	<u>Observations</u>
1	188	Moderately hard
2	202	Moderately hard
3	47.5	Soft
4	81	Moderately soft

Number of houses with direct supply from the mains	16,616
Number of houses supplied by standpipe	1
Number of houses with private supply	7

(These are premises beyond the point of supply by mains)

FACTORIES ACT, 1961

Number of Factories on the Register at the end of the year 171

CLASSIFICATION

Bakehouses	15
Boot and Shoe Repairers	5
Brick Makers	2
Brush, Skip and Hamper Makers	1
Builders, Builders Merchants and Stonemasons	15
Cable Makers	2
Coach Builders	2
Cotton and Rayon Textile Manufacturers	10
Engineers and Iron Founders	10
Funeral Directors and Coffin Makers	1
Joiners and Cabinet Makers	14
Laundrerers and Dry Cleaners	4
Maltsters and Bottlers	2
Mineral Water Manufacturers	1
Motor Vehicle Repairers	26
Paint Manufacturers	1
Printers	7
Radio and T.V. Repairers	6
Rope Works	1
Scrap Metal Dealers	2
Sheet Metal Workers and Welders	6
Slaughter-house	1
Tailors and Overall Makers	9
Toffee Works	1
Wire Works	1
Others	26

T O T A L 171

The following tables give particulars of the inspections during the year under Part 1 of the Factories Act, 1961, and an analysis of the defects which were found, with particulars of the action taken.

FACTORIES - INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH

Premises	No. on Register	No. of inspections	No. of Written Notices	No. of Occupiers Prosecuted
Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authority	5	37	-	-
Factories not included in (1) in which Section 7 is enforced by Local Authority	159	94	17	-
Other Premises in which Section 7 is enforced by Local Authority (excluding outworks premises)	7	-	-	-
T O T A L S	171	131	17	-

FACTORIES - CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of Defects				
	Found	Remedied	Referred to H. M. Inspector	Referred by H. M. Inspector	No. of offences in respect of which prosecutions were instituted
Nuisances under the Public Health Acts:-					
Want of Cleanliness	-	-	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable temperature	-	-	-	-	-
Inadequate ventilation	-	-	-	-	-
Ineffective drainage of floors	-	-	-	-	-
Sanitary Conveniences:-					
(a) Insufficient	5	-	-	-	-
(b) Unsuitable or defective	47	65	-	-	-
(c) Not separate for sexes	2	-	-	-	-
Other offences against the Act (not including offences relating to outwork)	-	-	-	-	-
T O T A L S	54	65	-	-	-

PART VIII OF THE ACT - OUTWORK

Nature of Work	Section 133			Section 134		
	No. of out-workers in August list required by Section 133 (1)(a)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices served	Prosecutions
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Sewing canopies for perambulators	2	-	-	-	-	-
Alterations to Wearing Apparel	1	-	-	-	-	-

S M O K E A B A T E M E N T A N D A T M O S P H E R I C P O L L U T I O N
C L E A N A I R A C T , 1 9 5 6

The following Smoke Control Areas are operative in the Borough:-

Smoke Control Area	Acreage	No. of Dwellings	No. of Industrial Premises	No. of Commercial Premises	Others	Operative Date
No. 1	42	420	9	245	17	1. 9. 62.
No. 2	239	1,347	7	169	18	1.10. 63.
No. 3	82	1,000	2	50	18	1. 9. 63.
No. 4	191	778	2	28	7	1. 8. 67.
No. 5	94	741	-	35	4	1. 7. 68.
No. 6	592	232	-	4	-	1. 7. 69.
No. 7	32	33	-	-	33	1. 8. 68.
No. 8	280	619	3	-	3	1. 9. 69.
No. 9	507	826	-	2	-	1. 6. 70.
No. 10	83	654	2	3	-	1. 9. 70.
No. 11	1,885	1,381	3	12	5	1. 6. 71.

During the year one further Smoke Control Area (No. 12) was submitted to the Ministry and confirmed. Particulars of the area are as follows:-

Smoke Control Area	Acreage	No. of Dwellings	No. of Industrial Premises	No. of Commercial Premises	Others	Operative Date
No. 12	116	955	11	49	9	1. 9. 72.

V O L U M E T R I C A P P A R A T U S

The measurement of pollution has continued during the year by the use of volumetric apparatus. The results are submitted to the Department of Scientific and Industrial Research where they are co-ordinated into the National Survey of Atmospheric Pollution.

The results are given in the following tables in the form of highest, lowest and average of the daily readings at the three sites in each month for the year 1971 and the corresponding figures for 1970.

VOLUMETRIC APPARATUS (Continued)

T O W N H A L L

Month	Smoke in microgrammes per cubic metre						S O 2 in microgrammes per cubic metre					
	Average		High		Low		Average		High		Low	
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
January	180	293	540	1600	57	40	342	424	560	1500	201	32
February	137	167	480	580	24	38	262	222	645	425	106	104
March	108	105	250	225	29	46	237	230	465	348	102	152
April	98	177	163	320	35	62	166	186	320	360	82	104
May	65	55	146	162	25	20	128	139	194	300	65	76
June	37	20	58	38	15	10	133	66	197	124	52	33
July	41	30	182	64	12	10	72	101	114	148	35	56
August	76	42	162	72	28	18	151	112	270	154	60	60
September	90	80	232	148	13	14	150	109	360	188	62	58
October	144	78	575	160	26	10	200	107	500	190	72	64
November	138	104	385	400	40	27	258	179	600	550	85	40
December	279	108	1710	330	54	16	339	203	1000	450	158	80
Average	116	105	407	342	30	26	203	173	435	395	90	72

VOLUMETRIC APPARATUS (Continued)

F I R S L A N E

Month	Smoke in microgrammes per cubic metre						S O 2 in microgrammes per cubic metre					
	Average		High		Low		Average		High		Low	
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
January	200	169	840	710	33	36	190	144	560	390	43	20
February	164	180	575	750	44	36	178	138	570	320	61	65
March	120	107	302	210	15	32	184	130	318	210	92	70
April	112	103	280	194	53	34	119	169	207	265	71	96
May	49	53	134	146	15	13	111	93	178	200	48	45
June	27	43	46	64	15	14	110	86	152	128	43	35
July	27	24	64	56	11	10	51	70	76	140	22	44
August	53	37	109	72	15	13	97	65	177	108	32	52
September	75	79	182	180	30	26	107	97	235	205	42	60
October	120	90	385	230	15	30	124	102	310	210	47	54
November	120	133	285	440	38	32	112	154	210	475	43	72
December	241	133	1500	380	54	19	149	119	510	320	62	45
Average	109	96	392	286	28	25	128	114	292	248	51	55

CHAPEL STREET

Month	Smoke in microgrammes per cubic metre						S O 2 in microgrammes per cubic metre					
	Average		High		Low		Average		High		Low	
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
January	140	50	368	400	32	20	248	172	630	580	72	79
February	127	95	334	285	73	25	236	140	570	270	110	75
March	103	66	235	136	32	36	207	134	305	210	136	70
April	89	55	212	110	43	32	146	142	215	225	76	62
May	62	35	133	86	42	18	128	75	184	144	60	30
June	28	38	40	60	14	17	122	65	172	150	42	34
July	34	15	58	29	14	9	52	66	86	124	24	36
August	54	26	89	44	14	10	99	68	189	108	42	37
September	61	33	147	76	15	11	97	88	210	170	50	52
October	93	33	257	56	34	15	124	97	230	180	48	49
November	78	43	162	106	15	15	128	163	188	480	68	80
December	112	59	650	225	30	11	167	128	520	260	98	64
Average	82	46	224	134	30	18	146	112	292	242	69	56

INVESTIGATION OF AIR POLLUTION

The level of pollution shows a steady decrease over the past years and as more Smoke Control Areas become operative this rate of progress is increasing. This is brought out quite clearly when looking at relative figures taken from the National Survey Annual Summary.

The results are divided into Summer (April - September) and Winter (October - March) periods. The figures are relative in that they show the average measured amount of smoke from the three stations maintained by ourselves, the results of which are transmitted to the Warren Spring Laboratory of the Ministry of Technology where they are arranged by computer.

The figures quoted relate to smoke (microgrammes per cubic metre) and, as some help to comparisons, relative figures are also given for Lancaster and Stretford.

Year	<u>LEIGH</u>		<u>STRETFORD</u>		<u>LANCASTER</u>	
	Summer	Winter	Summer	Winter	Summer	Winter
1962/63	120	365	103	476	60	211
1963/64	109	252	99	279	52	140
1964/65	73	268	77	290	38	181
1965/66	78	232	84	186	46	126
1966/67	85	217	81	163	35	86
1967/68	63	240	51	176	33	130
1968/69	68	202	61	147	37	93
1969/70	59	148	49	133	31	81
1970/71	57	125	51	106	26	71

HOUSING

In October I was instructed to prepare a year's clearance programme, and to review and up-date the existing clearance programme.

The immediate programme presented no problem and three areas totalling 142 houses were easily identifiable.

The survey was well in hand by the end of the year. It is apparent that the Borough's housing stock is very mixed and the areas of unfit houses widely dispersed. There are certain areas where the standard of housing is low, and clearance has been a possibility for some years. The presence of houses 'improved' and in some cases with the assistance of Grants, complicates decisions. To make sensible progress of the clearance and improvement programme the two must be clearly defined.

The representation of houses continued during the year, albeit more slowly than was anticipated owing to the coming into being of Circular 2/70, which had a restricting effect on progress.

Altogether 81 houses were inspected by the staff of the Department:-

Year	Number of houses dealt with			Persons displaced		
	As Clearance Areas	As Individual Houses	Total	From Clearance Areas	From Individual Houses	Total
Pre-Programme (Post 1945)	11	35	46	31	104	135
1955	5	3	8	21	7	28
1956	44	7	51	156	27	183
1957	23	72	95	64	187	251
1958	100	72	172	283	194	477
1959	82	31	113	225	97	322
1960	73	14	87	171	53	224
1961	18	24	42	37	58	95
1962	27	11	38	69	34	103
1963	12	20	32	27	49	76
1964	84	5	89	227	12	239
1965	29	13	42	94	34	128
1966	109	13	122	283	30	313
1967	49	31	80	102	65	167
1968	90	14	104	209	33	242
1969	123	26	149	330	69	399
1970	95	12	107	244	22	266
1971	44	37	81	74	86	160
T O T A L	1,018	440	1,458	2,647	1,161	3,808

HOUSES REPRESENTED

Two Clearance Areas, the Cawder Street Clearance Area C.P.O., 1971 and the Lord Street (No.2) Clearance Area C.P.O., 1971 involving a total of 44 houses were represented during the year. The former was confirmed without modification on the 3rd August, 1971 whilst in the case of the latter confirmation is still awaited.

H O U S I N G (Continued)

HOUSES REPRESENTED (Continued)

Additionally, after a Public Inquiry, confirmation was received in respect of the Brown Street Clearance Area C.P.O., submitted in the previous year.

The Inspector recommended that the Order be confirmed subject to lands comprising one house, and a portion of land adjacent to another being transferred to Part III of the Schedule as added lands. He also recommended wholly well-maintained payments in respect of 3 houses and partially well-maintained payments in another 5 houses (4 internally and 1 externally).

The 37 houses dealt with under Section 16(1) are as follows:-

Address of Property	Persons displaced or to be displaced
57 - 80 Bedford Square (consecutive)	63
60 - 64 Ellesmere Street	-
77 Firs Lane	4
40 Victoria Street	4
9 Eokersley Street	1
27 - 31 Arthur Street	8
49 Firs Lane	-
18 The Parsonage	4
1 Vernon Street	2
3/5 Charles Street	-

Consideration continues to be given sympathetically to applications for assistance towards removal expenses in respect of premises falling within the scope of the Housing Acts from pensioners. The maximum grant in these cases continues to be £6.50. This year payments were made in respect of 34 applications received.

DETAILED LIST OF HOUSES DEALT WITH AND PERSONS DISPLACED
FROM 1954 TO 31st DECEMBER, 1971

Year			Clearance Areas		Individual Houses	
			No. of Houses	No. of Persons Displaced	No. of Houses	No. of Persons Displaced
	Pre-programme (Post 1945)	Clearance Areas Individual Houses	11	31	35	104
1955	Alma Street Individual Houses		5	21	3	7
1956	Tiokle Street Kenyon Street Taylor Street Hulmes Buildings Ditchfield Street Westwell Street (No. 2) Westloigh Lane (No. 9) Ann Street Individual Houses		6 4 3 4 8 11 5 3	21 8 11 15 29 43 20 9	7	27
1957	Westleigh Lane (No. 8) Brooks Houses (No. 1) Siddow Common (No. 3) Weloh Hill Street (No. 4) Weloh Hill Street (No. 5) Individual Houses		3 4 6 5 5	6 11 15 15 17	72	187
1958	Back Brown Street Twist Lane (No. 3) Sanderson's Croft Doans Row Warrington Road (No. 5) Birchall Street River Street Mill Street Duke Street (No. 1) Sizehouse Place Cross Street (No. 3) Plank Lane (No. 3) Duke Street (No. 2) Twist Lane (No. 4) Leigh Street Individual Houses		4 6 6 12 5 8 8 5 7 5 6 6 5 10 7	18 14 22 30 18 16 21 16 24 13 14 18 12 30 17	72	194
1959	Prinooss Street Dukinfield Street Dukinfield Street (No. 2) Dukinfield Street (No. 3) Dukinfield Street (No. 4) High Street Individual Houses		21 10 5 18 12 16	57 26 15 45 37 45	31	97
o/fwd.			265	780	220	616

DETAILED LIST OF HOUSES DEALT WITH AND PERSONS DISPLACED
FROM 1954 TO 31st DECEMBER, 1971 (Continued)

Year			Clearance Areas		Individual Houses	
			No. of Houses	No. of Persons Displaced	No. of Housos	No. of Persons Displaced
	b/fwd.		265	780	220	616
1960	Westleigh Lane (No.10)	Compulsory Purchase Order	4	9		
	Mather Lane	- ditto -	19	48		
	John Street (No. 2)	- ditto -	14	28		
	Twist Lane (No. 5)		5	14		
	Derby Street West	(No. 1)	5	14		
	Dorby Street West	(No. 2)	6	16		
	Derby Street West	(No. 3)	12	26		
	Brown Street South		8	16		
	Individual Houses				14	53
1961	Warrington Road	(No. 6)	4	9		
	Nel Pan Lane		5	14		
	Hilden Street		9	14		
	Individual Houses				24	58
1962	Green Lane	(No. 4)	9	20		
	Duke Street	(No. 3)	6	12		
	Hill View		4	13		
	Wood End	(No. 2)	4	10		
	Henry Street		4	14		
	Individual Houses				11	34
1963	Bedford Grove		6	15		
	Lord Street		6	12		
	Individual Houses				20	49
1964	College Street	(No. 1)	15	42		
	College Street	(No. 2)	7	29		
	College Street	(No. 3)	62	156		
	Individual Housos				5	12
1965	Strange Street		6	26		
	Boat Street		23	68		
	Individual Houses				13	34
1966	Duke Street	(No. 4)	4	9		
	Chapel Street	(No. 5)	28	54		
	Coal Pit Lane		42	143		
	Green Lane	(No. 5)	6	3		
	Norbury Street	(No. 2)	4	9		
	Westleigh Lane	(No.11)	4	17		
	Wharf Street		21	48		
	Individual Houses				13	30
o/fwd.			617	1,688	320	886

DETAILED LIST OF HOUSES DEALT WITH AND PERSONS DISPLACED
FROM 1954 TO 31st DECEMBER, 1971 (Continued)

Year			Clearance Areas		Individual Houses	
			No. of Houses	No. of Persons Displaced	No. of Houses	No. of Persons Displaced
		b/fwd.	617	1,688	320	886
1967	High Street	(No. 2)	8	19		
	Tideswell Street		12	32		
	Chapel Street	(No. 6)	17	33		
	Firs Lane		5	10		
	Johnson Street		7	8		
	Individual Houses				31	65
1968	Chapel Street	(No. 7)	49	122		
	Colloge Street	(No. 4)	5	17		
	Ellesmore Street		16	35		
	Nol Pan Lane	(No. 3)	14	35		
	Edale Road		6	-		
	Individual Houses				14	33
1969	Honry Street	(No. 2)	103	281		
	Westloigh Lane	(No.12)	10	27		
	Westleigh Lane	(No.13)	5	8		
	Westloigh Lane	(No.14)	5	14		
	Individual Houses				26	69
1970	Tunnicliffe's Old Row		18	57		
	Norbury Street	(No. 3)	7	20		
	Norbury Street	(No. 4)	33	92		
	Brown Street		17	28		
	Brown Street	(No. 2)	20	47		
	Individual Houses				12	22
			974	2,573	403	1,075
			No. of Houses	No. of Persons to be Displaced	No. of Houses	No. of Persons to be Displaced
1971	Cawdor Street		17	32		
	Lord Street	(No. 2)	27	42		
	Individual Houses				37	86
			44	74	37	86

MEASUREMENT FOR PERMITTED NUMBERS - HOUSING ACT, 1957 SECTION 77

15 Certificates of Permitted Numbers were issued respecting 86 dwellings.

PROVISION OF NEW HOUSES

(a)	Total		315
	(i) By Local Authority	Houses	-
		Flats	76
	(ii) By other Local Authorities	Houses	-
	(iii) By other bodies or persons	Houses	239
(b)	With State assistance under the Housing Acts:-		
	(i) By Local Authority	Houses	-
		Flats	76
	(ii) By other bodies or persons	Houses	-

IMPROVEMENT GRANTS

Particulars of applications received during the year are as follows:-

	<u>Standard</u> <u>Grants</u>	<u>Discretionary</u> <u>Grants</u>
Applications received	127	53
Applications approved	117	50
Applications refused	10	3

1. INSPECTION OF DWELLINGHOUSES DURING THE YEAR

(1) (a)	Total number of dwellinghouses inspected for housing defects under Public Health or Housing Acts.	1,221
(b)	Inspections made for the purpose.	1,894
(2) (a)	Dwellinghouses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925.	21
(b)	Inspections made for the purpose.	43
(3)	Dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation.	81
(4)	Dwellinghouses (exclusive of those referred to under the preceeding sub-heading) found not to be in all respects reasonably fit for human habitation.	177

2. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES

Defective dwellinghouses rendered fit in consequence of informal action by the Local Authority.	13
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3. ACTION UNDER STATUTORY POWERS

A.	<u>Proceedings under Sections 9, 10 and 16 of the Housing Act, 1957:-</u>	
(1)	Dwellinghouses in respect of which notices were served requiring repairs.	Nil
(2)	Dwellinghouses which were rendered fit after service of formal notice:-	
(a)	by owners	Nil
(b)	by Local Authority in default of owners	Nil
B.	<u>Proceedings under Public Health Acts:-</u>	
(1)	Dwellinghouses in respect of which notices were served requiring defects to be remedied.	128
(2)	Dwellinghouses in which defects were remedied after service of formal notice:-	
(a)	by owners	150
(b)	by Local Authority in default of owners	52
C.	<u>Proceedings under Sections 16 and 23 of the Housing Act, 1957:-</u>	
(1)	Dwellinghouses in respect of which Demolition Orders were made.	30
(2)	Dwellinghouses demolished in pursuance of Demolition Orders.	2
(3)	Dwellinghouses closed in pursuance of Closing Orders.	7
D.	<u>Proceedings under Section 18 of the Housing Act, 1957:-</u>	
(1)	Separate tenements or underground rooms in respect of which Closing Orders were made.	Nil
(2)	Separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit.	Nil

4. HOUSING ACT, 1957 - OVERCROWDING

Cases of overcrowding investigated during the year	3
Cases of overcrowding confirmed during the year	1
Families involved	4
Persons dwelling therein	14
Families re-housed	Nil
Persons involved	Nil

The Housing Committee allocate Corporation Houses on a points scheme.

At the end of the year there were 579 applicants on the Corporation housing list, of which 267 were living in lodgings.

TABLE OF DEFECTS DEALT WITH IN DWELLINGHOUSES

The following table shows the number and types of defects found and remedied in dwellinghouses during the current year:-

<u>Nature</u>	<u>Found</u>	<u>Remedied</u>
Drains	81	59
Roofs	32	40
Eavesgutters	41	48
Rainwater pipes	23	18
Walls External : Defective Brickwork	48	9
" " : Dampness penetrating	2	2
Walls Internal : Damp wallplaster	39	16
" " : Defective wallplaster	16	10
Defective ceiling plaster	3	2
Sinks	1	1
Sink waste pipes	-	9
Floors	11	7
Window-frames : Defective woodwork	19	11
" " : Sashes and inadequate ventilation	15	15
" " : Glazing	3	-
Doors	15	5
Inadequate lighting - Natural	-	-
Fire Ranges : Smoke emission	4	3
" " : Defective	1	-
Insufficient Water Supply	6	3
Closets : Fresh Water	37	44
" : Waste Water	-	-
Yards and Passages	13	9
Other Defects	50	32
	<u>460</u>	<u>343</u>

Repairs were carried out in default of owners, following service of Statutory Notices under the Public Health Act, 1936 at a total cost of £274.03

Repairs to defective drains were carried out in default of owners at a cost of £65.40 which was recoverable.

PUBLIC HEALTH ACTS, 1936-1961

STATUTORY NOTICES SERVED

<u>Act and Section</u>	<u>No. of Notices</u>
Public Health Act, 1961	
Section 17	Choked Drainage (48 hours notice) 11
Public Health Act, 1936	
Section 39	Drainage 37
Section 45	Defective Water Closets 30
Section 79	Removal of Noxious Matter 1
Section 93	Conditions prejudicial to Health 48
Public Health (Recurring)	
Nuisances) Act, 1969	Recurring Nuisance 1
	<hr/>
	128
	<hr/>

CLASSIFICATION OF PREMISES VISITED BY PUBLIC HEALTH INSPECTORS

	<u>No. of visits paid</u>
Bakehouses	36
Canteens and Restaurants	141
Dairies and Milkshops	1
Grocers Shops	161
Greengrocers Shops	26
Fish Friers	56
Wet Fish Shops	4
Confectionery Shops	31
Food Warehouses	17
Hotels and Public Houses	178
Butchers Shops	85
Slaughter-house	354
Ice Cream Shops and Vehicles	50
Miscellaneous	64
	<hr/>
	1,204
	<hr/>

INSPECTION AND SUPERVISION OF FOOD

FOOD AND DRUGS ACT, 1955

Eleven complaints were received of foreign bodies in food. Statutory action was not considered to be appropriate in 10 of these cases, a warning being issued to the firms concerned. Legal proceedings were instituted in the one remaining case, which resulted in a fine of £50 plus £5.65 costs.

POULTRY INSPECTION

There are no poultry processing premises within the Borough.

INFRINGEMENTS OF FOOD HYGIENE (GENERAL) REGULATIONS 1970 DEALT WITH

	<u>Defects found</u>	<u>Defects remedied</u>
Reg. 6 Cleanliness of equipment	10	4
" 8 Risk of contamination	25	18
" 14 Defective closets, etc. Notices re washing	40	18
" 16 Wash-hand basins, water supply, soap, nailbrush, drying facilities not provided.	29	14
" 17 First Aid equipment not provided	22	5
" 19 Facilities for washing food and equipment	33	13
" 21 Ventilation	1	-
" 23 Cleanliness and repair of Food Rooms	110	37
" 24 Refuse	19	7
T O T A L S	<u>289</u>	<u>116</u>

BAKEHOUSES

Number of Bakehouses on register	22
Number of inspections in the year	36
Number of defects found	16
Number of defects remedied	7

SLAUGHTER-HOUSES

Number of licensed slaughter-houses in the Borough	1
---	---

A total of £907.02 was received by the Corporation as fees for meat inspection during the year.

SLAUGHTER OF ANIMALS ACT, 1958

There are 7 slaughtermen holding licences granted by this Authority.

All meat and offals found to be unfit were voluntarily surrendered.

On the following page the table reproduces particulars of the number of cattle examined, and of condemnations.

NUMBER OF CATTLE EXAMINED AND
CONDEMNATIONS FOR TUBERCULOSIS AND OTHER CONDITIONS

	Cattle excluding Cows		Cows		Calves		Sheep and Lambs		Pigs	
	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971
Number killed	3,169	2,625	165	87	-	-	13,160	9,664	2,624	3,985
Number inspected	3,169	2,625	165	87	-	-	13,160	9,664	2,624	3,985
All Diseases except Tuberculosis - Whole Carcasses Condemned	-	-	-	1	-	-	44	17	4	5
Carcasses of which some part or organ was condemned	1,328	983	105	44	-	-	2,530	2,040	368	645
Percentage of the number inspected affected with disease or parasitic conditions other than Tuberculosis	41.9	37.4	63.6	51.7	-	-	19.6	21.3	14.2	16.3
<u>TUBERCULOSIS:</u>										
Whole Carcasses condemned	-	-	-	-	-	-	-	-	-	-
Carcasses of which some part or organ was condemned	1	-	-	-	-	-	-	-	-	-
Percentage of the number inspected affected with Tuberculosis	0.03	-	-	-	-	-	-	-	-	-

PERCENTAGE CONDEMNATIONS FOR TUBERCULOSIS

Year	Cattle Excluding Cows	Cows	Calves	Pigs
1952	14.62	48.62	0.27	3.33
1953	13.16	33.20	0.16	3.19
1954	10.26	29.19	-	1.98
1955	6.51	39.65	-	1.44
1956	6.86	23.49	-	1.66
1957	8.43	21.77	-	0.40
1958	6.16	17.55	-	1.88
1959	7.40	18.50	-	1.40
1960	3.13	6.39	-	1.15
1961	1.60	0.40	-	0.61
1962	0.60	0.41	-	0.54
1963	0.22	0.28	-	0.18
1964	0.14	-	-	0.36
1965	0.08	-	-	0.40
1966	0.03	-	-	0.26
1967	-	-	-	-
1968	0.02	-	-	0.12
1969	0.03	0.33	-	-
1970	0.03	-	-	-
1971	-	-	-	-

These figures afford an interesting insight into the incidence of Tuberculosis found in animals killed for food and can be taken as complementary to the field work that has been accomplished by the Veterinary Officers of the Ministry of Agriculture, Fisheries and Food.

TUBERCULOSIS ORDER, 1938

No cattle were sent for slaughter by the Veterinary Inspectors under the Tuberculosis Order, 1938.

CYSTICERCUS BOVIS

All bovines are subjected to examinations for Cysticercous Bovis and during the year 4 carcasses were found to be infected. In each case particulars of the animal were forwarded to the Divisional Veterinary Inspector of the Ministry of Agriculture, Fisheries and Food.

The carcasses were dealt with in accordance with the conditions laid down by the Ministry of Agriculture, Fisheries and Food.

INSPECTION OF OTHER FOODS

The following table gives a list of foods examined by the Public Health Inspectors and rejected as unfit for human consumption. All were voluntarily surrendered.

Food	No. of Containers	Weight				
		Tons	Cwts.	Qrs.	Lbs.	Ozs.
Meat (Fresh)	7	-	3	-	24	8
Meat (Canned)	679	1	5	-	27	15
Fruit	1,496	1	3	2	21	14
Vegotablos	1,607	-	13	1	9	10
Milk	64	-	-	2	16	15
Fish	323	-	3	1	21	4
Soups	121	-	-	3	22	10
Sundries	3,908	1	-	-	16	1
Frozen Foods	2,293	-	17	-	10	1
TOTAL	10,498	5	7	3	2	15

FOOD AND DRUGS ACT, 1955

The Public Analyst for the Borough is Mr. A.C. Bushnell, F.R.I.C., County Offices, Preston.

79 samples of milk and other foods were submitted to the Public Analyst for examination. The classified table on the following page shows the results of the analysis of the samples.

ANALYSIS OF FOOD SAMPLES - 1971

Articulos	Number examined				Number adulterated or otherwise giving rise to irregularity
	Formal	Inf.	Priv.	Total	
Cheese	-	2	-	2	1
Cheese Spread	-	2	-	2	-
Colouring Material	-	1	-	1	-
Diabetic Fruit Cake	-	1	-	1	-
Dumpling Mix	-	1	-	1	-
Fish Paste	-	1	-	1	-
Flour Confectionery	-	2	-	2	1
Fruit Curd	-	1	-	1	-
Gravy Mix	-	1	-	1	-
Herbal Remedy	-	1	-	1	1
Honey	-	2	-	2	-
Margarine	-	2	-	2	-
Meat Pies	-	3	-	3	2
Meat and Potato Pies	-	2	-	2	2
Milk	-	14	-	14	1
Milk, Channel Islands	-	7	-	7	-
Pastry Mix	-	1	-	1	-
Potato and Meat Pies	-	2	-	2	1
Pudding, Canned	-	1	-	1	-
Ravioli, Canned	-	1	-	1	-
Sausages, Beef	-	4	-	4	2
Sausages, Pork	-	13	-	13	8
Sausages, Pork and Beef	-	3	-	3	1
Sauco	-	1	-	1	-
Sweets	-	1	-	1	1
Toasty Grills	-	1	-	1	-
Tomatoes, Canned	-	1	-	1	1
Vegetables, Cooked	-	1	-	1	1
Whisky	6	-	-	6	-
TOTAL	6	73	-	79	23

A D U L T E R A T E D S A M P L E S 1 9 7 1

Number of Sample	Description	Nature of Adulteration or irregularity	Observations
50	Pork Pie (Complaint)	The larva submitted with the part pie was a larva of brown house moth (<i>HOPIANNOPHILA PSEUDOSPLETELLA</i>) and was still alive though extremely inactive and probably in diapause in the cold weather. It had not been cooked.	Complainant informed.
35	Chocolate (Complaint)	Contained parts of a dead wasp, together weighing 42 milligrams.	Imported Commodity. No action taken.
43	Pork Sausages (Informal)	Contained 480 parts per million of sulphite preservative (expressed as sulphur dioxide). Maximum amount of sulphite preservative allowed by the Preservative in Food Regulations, 1962 is 450 parts per million.	Vendor interviewed and cautioned.
3	Boiled Pickle Beetroot. (Informal)	No Label. Contained 0.6% of acetic acid thus making the food "Pickled Beetroot" rather than whole cooked beetroots and therefore subject to the provisions of the Labelling of Food Order.	Vendor cautioned.
2	Pork Sausages (Informal)	Lean Meat 32.0% Fat 30.5% Total Meat 62.5% Pork Sausage should contain not less than 32.5% lean meat and not less than 65.0% total meat.	Vendor interviewed and cautioned.
23	Pork Sausages (Informal)	Meat content 62.0% Should contain not less than 65.0%	Further sample genuine
15	Milk (Informal)	Freezing point indicated 0.3% extraneous water.	Dairy cautioned.
20	Tomatoes, Canned (Informal)	Howard mould count over 90% positive fields. Port Health Authorities usually refuse entry to tomato puree which contains more than fifty fields in which mould is visible.	Importer communicated with.
24	Meat and Potato Pie (Complaint)	Contained part of a potato sprout weighing 0.115 gramme.	Complainant informed.
26	Cake (Complaint)	Contained $1\frac{3}{4}$ grammes of torn, dirty, woven cotton cloth having about 68 strands per inch, a twilled surface, and a dark stripe woven into the cloth, stained with approx. ninety milligrams of dirty mineral oil, the dark colour of the oil stain being mainly due to 2.1 milligrams of iron and amorphous particles of carbon.	Legal proceedings under consideration.
27	Meat and Potato Pies (Informal)	Meat content only $11\frac{1}{2}\%$ Should not be less than $12\frac{1}{2}\%$ or be named "Potato and Meat Pie"	Vendor interviewed.

Number of Sample	Description	Nature of Adulteration or irregularity	Observations
41	Herbal Remedy (Informal)	Alcohol content only 2.2% Mode of declaration of contents suggested the presence of approximately 15%	Manufacturer communicated with.
44	Pork Sausage (Informal)	Contained 250 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
45	Beef Sausage (Informal)	Contained 200 parts per million sulphite preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
46	Pork Sausage (Informal)	Lean Meat 30.5% Fat 39.0% Total Meat 69.5% Pork Sausage should contain not less than 32.5% lean meat and not less than 65.0% total meat. Sample also contained 220 parts per million sulphite preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
47	Cheeso (Complaint)	Contained parts of a domestic house fly (MUSCA DOMESTICA) weighing in all 7 milligrams	Prosecution under consideration.
48	Potato and Meat Pie (Complaint)	Contained a dead cooked earwig (FORFICULA AURICULARIA) weighing 43 milligrams and measuring 14 millimetres in length.	Prosecution under consideration.
2/15	Steak & Kidney Pie (Complaint)	Contained the remains of a gnat-like fly (ANISOPUS FENESTRALIS) weighing 6 milligram and measuring 6 millimetres in length. The remains of the fly were associated with Potato Starch although Potato was not an ingredient of the pie.	Baker cautioned and complainant informed.
2/7	Beef Sausage (Informal)	Contained 260 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
2/8	Pork Sausage (Informal)	Contained 290 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
2/9	Beef & Pork Sausage (Informal)	Contained 240 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
2/11	Pork Sausage (Informal)	Lean Meat 30.0% Fat 38.5% Total Meat 68.5% Pork Sausage should contain not less than 32.5% lean meat and not less than 65.0% total meat. Sample also contained 185 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.
2/12	Pork Sausage (Informal)	Contained 370 parts per million sulphito preservative (expressed as sulphur dioxide) without declaration.	Vendor interviewed and cautioned.

SUMMARY OF SAMPLES SUBMITTED UNDER THE FOOD AND
DRUGS ACT, 1955 FOR EXAMINATION BY THE PUBLIC
ANALYST 1962 - 1971

Year	No. of Samples	Number adulterated or otherwise giving rise to irregularity	Rate of Sampling per 1,000 population
1962	126	10	2.7
1963	138	10	2.9
1964	102	10	2.2
1965	112	8	2.4
1966	141	10	3.0
1967	124	14	2.6
1968	129	7	2.8
1969	118	5	2.6
1970	103	11	2.2
1971	79	23	1.7

M I L K S U P P L Y

As all cows are subjected to a tuberculin test, Raw Milk, Pastourised and Sterilised milk is permitted to be sold.

Registered Distributors in the Borough 92

Registered Dairies in the Borough 2

Year	Number of Samples	Fat %	Solids-not-Fat %	Total Solids %	Percentage Adulteration
1952	62	3.86	8.65	12.51	3.2
1953	65	3.79	8.55	12.34	12.3
1954	71	3.84	8.63	12.47	1.4
1955	61	3.83	8.58	12.41	4.9
1956	60	3.80	8.53	12.33	5.0
1957	58	3.70	8.60	12.30	1.7
1958	58	3.72	8.60	12.32	3.4
1959	66	3.56	8.65	12.21	10.6
1960	53	3.60	8.66	12.26	5.7
1961	63	3.62	8.62	12.24	4.8
1962	63	3.63	8.62	12.25	1.6
1963	32	3.67	8.54	12.21	3.1
1964	30	3.60	8.49	12.09	10.0
1965	28	3.54	8.61	12.15	3.6
1966	40	3.88	8.67	12.55	2.5
1967	43	3.92	8.72	12.64	2.3
1968	40	3.75	8.64	12.39	2.5
1969	28	4.05	8.71	12.76	-
1970	16	4.04	8.72	12.76	-
1971	21	4.01	8.72	12.73	4.7
Average		3.77	8.62	12.39	4.16

BACTERIOLOGICAL AND BIOLOGICAL EXAMINATION OF MILK SAMPLES

BACTERIOLOGICAL EXAMINATION

Designation	Number Submitted	N A T U R E O F T E S T											
		Methylene Blue			Turbidity Test		Phosphatase Test		Colony Count Test				
		Satisfactory	Unsatisfactory	Void	Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory			
Tuberculin Tested	26	22	3	1	-	-	-	-	-	-	-	-	
T.T. Pasteurised	19	11	8	-	-	-	19	-	-	-	-	-	
Sterilised	12	-	-	-	12	-	-	-	-	-	-	-	
Ultra Heat Treated	6	-	-	-	-	-	-	-	-	6	-	-	
T O T A L S	63	33	11	1	12	-	19	-	-	6	-	-	

BIOLOGICAL EXAMINATION

Number Submitted	Tuberculo Bacilli	Brucellosis							
		Ring Test				Culture Test			
		Positive	Negative	No Result	Positive	Negative	No Result	Positive	No Result
26	-	15		11	-		-	-	-

ICE CREAM

In accordance with Section 16 (1) (a) of the Food and Drugs Act, 1955, five premises were registered for the sale of Ice Cream during the year. 194 such premises now appear in the Register. There are two manufacturers of Ice Cream licensed in the Borough.

Samples for bacteriological examination are submitted to the Regional Public Health Laboratory, Withington Hospital, Manchester. Ten samples were submitted for examination with the following results:-

Grade 1	8
" 3	1
" 4	1

LANCASHIRE COUNTY COUNCIL (GENERAL POWERS) ACT, 1951

HAWKERS

Any person who shall by himself, or any person employed by him, sell or offer or expose for sale, any meat or meat product, or fish, fruit or vegetables from or upon a vehicle or from or upon a basket, pail, tray, table or other portable receptacle or stand, must be registered.

The number of persons on the Register at the end of the year was 101.

PREMISES

All premises used or proposed to be used for storage of meat, meat food products, or fish, fruit and vegetables must be registered. The number of premises registered at the end of the year was 54.

FOOD AND DRUGS ACT, 1955 (Section 16)

PRESERVED FOODS, ETC.

Under the above Act, all premises used for the preparation or manufacture of sausages or potted, pressed, pickled or preserved meat, fish or other food intended for sale must be registered. The number of premises registered at the end of the year was 75.

RODENT CONTROL
PREVENTION OF DAMAGE BY PESTS ACT, 1949

The number of complaints at 835 is relative high, but does not give cause for alarm. Mice are well established, and are proving difficult to eradicate.

Some work had to be carried out by contract due to a lengthy period of absence by the Operative.

It is thought that the number of surface rat complaints can be reduced by an alteration in the method of sewer treatment.

The Health and Cleansing Committee agreed to include in Estimates a sum of money for experimental investigation purposes. Two members of the Staff are to undertake experimental control work, and in due course, if circumstances permit, produce a learned paper.

A free service for the destruction of rats and mice is given to occupiers of dwellinghouses conditional on there being no contributory negligence. In all other cases the full cost of the work and materials is borne by the occupiers of the premises, and in this connection the sum of £293.02 was recovered during the year.

PARTICULARS OF PROPERTIES INSPECTED
OTHER THAN SEWERS

		Type of Property	
		Non-Agricultural	Agricultural
1. Total number of properties inspected following notifications:-		835	-
Number infested by (i) Rats		370	-
(ii) Mice		465	-
2. Total number of properties inspected for rats and/or mice for reasons other than notification:-		1,213	1
Number infested by (i) Rats		97	1
(ii) Mice		112	-

SEWER INFESTATION AND TREATMENT

The Ministry of Agriculture, Fisheries and Food procedure as to the methods of pre-baiting and poisoning is adhered to throughout this work. The disinfection of sewers comprises what is known as an initial treatment followed by maintenance of a similar kind at six-monthly intervals.

A comparative table of treatments undertaken during the past 5 years is given below:-

Year	Treatment No.	No. of Manholes treated	Baiting (2 days)		Poison Baiting
			Taken	Not Taken	
1967	43	231	-	231	Fluoracetamide with Paranitrophenol
1968	44	164	17	147	- ditto -
1969	45	172	19	153	- ditto -
	46	160	15	145	- ditto -
1970	47	180	12	168	- ditto -
1971	48	238	28	210	- ditto -

